					
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ H01J37/30, 37/317, 37/20, G01N1/28, H01L21/302					
According to International Patent Classification (IPC) or to both national classification and IPC					
	S SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) Int.Cl ⁷ H01J37/30, 37/317, 37/20, G01N1/28					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2003 Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003					
Electronic d	ata base consulted during the international search (nam	ne of data base and, where practicable, sear	rch terms used)		
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Y	JP 2000-258314 A (NEC Corp.) 22 September, 2000 (22.09.00) Full text; all drawings (Family: none)		1-12		
Y	JP 10-221227 A (Matsushita E 21 August, 1998 (21.08.98), Full text; all drawings (Family: none)	lectronics Corp.),	1-12		
Υ .	JP 4-120437 A (Hitachi, Ltd. 21 April, 1992 (21.04.92), Page 6, lower left column, liupper left column, line 17; E (Family: none)	ine 17 to page 7,	4-6,10-12		
		·			
× Furthe	er documents are listed in the continuation of Box C.	See patent family annex.			
Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other		considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such			
means "P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed					
Date of the actual completion of the international search 09 October, 2003 (09.10.03) Date of mailing of the international search report 28 October, 2003 (28.10.03)					
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No.		Telephone No.			



International application No.
PCT/JP03/08691

ategory*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	JP 8-106873 A (Hitachi, Ltd.), 23 April, 1996 (23.04.96), Fig. 3 (Family: none)	4,5
Y	JP 3-254055 A (Hitachi, Ltd.), 13 November, 1991 (13.11.91), Fig. 3 (Family: none)	4,5
Y	JP 4-116843 A (Hitachi, Ltd.), 17 April, 1992 (17.04.92), Full text; all drawings (Family: none)	6
Α	JP 10-84020 A (Hitachi, Ltd.), 31 March, 1998 (31.03.98), Full text; all drawings (Family: none)	1-12
Α	JP 2001-84951 A (Hitachi, Ltd.), 30 March, 2001 (30.03.01), Full text; all drawings (Family: none)	1-12
P,A	JP 2002-208374 A (Seiko Instruments Inc.), 26 July, 2002 (26.07.02), Full text; all drawings (Family: none)	1-12
А	JP 6-260129 A (Seiko Instruments Inc.), 16 September, 1994 (16.09.94), Full text; all drawings & US 5574280 A & KR 364207 B	1-12

	Box 1 Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
}	This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
ر د ک	3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
	Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
	This International Searching Authority found multiple inventions in this international application, as follows: Claims 1-12 relate to the direction of radiation of gas ion beams for removing a crushed layer. In contrast therewith, Claims 13, 14 relate to the construction of a holder member, and the description given concerning the radiation ion beam is of a focused ion beam alone for forming a processed surface. These inventions do not form a single general inventive concept.
٠	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
۱ ،	2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
	3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
	4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-12
	Remark on Protest